



Departmental of Mechanical Engineering

S.NO.	Description	Remarks
1	Total area of library (in sq.mts)	30 x 15 feet = 41.80m ²
2	Total seating capacity	20
3	Adequate sign boards	Yes
4	Detail of print (books, back volumes)	92

S.No.	Book Title	Name of Author
1	Auto Cad	Amitt Bhutt
2	Automobile Engg.	P.S Gill
3	Automobile Engg.	D.N Naresh
4	Automotive Mechanics	William N Arrash
5	CAD/CAM Concept	Chenakeshava R. Alavala
6	Design Of Machine Element	Ankur Pareek
7	Dynamics Of Machine	Vivek Kumar
8	Dynamics Of Machine	Dilip Sharma
9	Elements Of Mechanical Engg.	Ashish Dutt Sharma
10	Engg. Drawing	N.D Bhatt
11	Engg. Graphics	M.L Mathur
12	Engg. Graphics	Ashish Dutt Sharma
13	Engg. Machine Drawing	Ram Kumar Agarwal
14	Engg. Maths	Kreatya Publication
15	Engg. Mechanica	P. Boreasi
16	Engg. Mechanics	Vinay Singh Marwal

17	Engg. Mechanics	S. S Bhavikati
18	Engg. Mechanics	Bhattacharya
19	Engg. Mechanics	N.H Dubey
20	Engg. Mechanics	S.Rajeshkaran
21	Engg. Mechanics	N.H Dubey
22	Engg. Thermodynamics And Fluid Mechanics	B B Ghosh
23	Engg.Drawing	M.S Saha
24	Engg.Thermodynamics	R.Yadav
25	Engg.Thermodynamics	M.Achuthan
26	Financial Management	I M Pandey
27	Finite Element Method	H.S Govind
28	Fluid Mechanics	P.N Chandramoli
29	Fluid Mechanics And Hydraulic Machine	Hayat Khan
30	Fundamental Of Cutting Fluid	Rahul Kant
31	Fundamental Of Mech. Engg.	Ranjit Singh
32	Heat And Mass Transfer	M. Rathore
33	Heat And Mass Transfer	C. P Kothan
34	Heat And Mass Transfer	C. P Kothandarman And D.S Kumar
35	Heat And Mass Transfer	Yunus A Cengel
36	Heat And Mass Transfer	P. K Nag
37	Hydraulic Machine	Kamlesh Purohit
38	Hydraulic Machine	R.K Purohit
39	I. C Engine	V. S Thomas
40	Industrial Engg.	R.S Khurmi

41	Industrial Engg.	M I Khan
42	Industrial Engg.And Management	M I Khan
43	International Conference Research Paper	Ieee
44	Kinematics Of Machine	Ankur Pareek
45	Machine Design	P.C Sharma
46	Machine Design	V.B Bhandari
47	Machine Design	L.S Utput
48	Machine Design	S.G Kulkarni
49	Machine Design	V.C Jindal
50	Manufacturing Science	Amitabh Ghosh
51	Material Science	V.C Jindal
52	Material Science And Engg.	R.K Rajput
53	Mechanical Engg.	D.S Kumar
54	Mechanical Engg.	A.K Rajvanshi
55	Mechanical Engg. V-I	Kreatya Publication
56	Mechanical Engg. V-Iii	Kreatya Publication
57	Mechanical Engg. V-Iv	Kreatya Publication
58	Mechanical Measurements	R. K Rajput
59	Metrology	M. Mahajan
60	Metrology And Measurements	Anand Kumar
61	Numerical And Verble Apptitude	Sail And Cil
62	Operation Research	Manohar Mahajan
63	Power Plant Engg.	Arora And Domkundwar
64	Power Plant Engg.	P. K Nag
65	Product Development And Launching	G.S Dhangayach

66	Quantitive Techniques	K.C Jain
67	Refrigeration And Air Conditioning	C.P Arora
68	Refrigeration And Air Conditioning	R.K Rajput
69	Refrigeration And Air Conditioning	R.K Rajput
70	Refrigeration And Air Conditioning	Shiv Dubey
71	Refrigeration And Air Conditioning	R.K Rajput
72	Refrigeration And Air Conditioning Data Hand Book	Manohar Prasad
73	Reliability And Maintenance Engg.	Shiv Prasad
74	Reliability Engg.	E Balaguruswamy
75	Refrigeration And Air Conditioning	Arora And Domkundwar
76	Simulation Modeling	Averill Mlaw
77	Steam And Gas Turbine	R. Yadav
78	Steam Turbine	R.K Goyal
79	Strength Of Material	R.K Bansal
80	Strength Of Material	Surendre Singh
81	Strength Of Material	R.S Lehri
82	Strength Of Material	D.S Kumar
83	Theory Of Automatic Control	S.P Singh
84	Theory Of Machine	Abdulla Sharif
85	Theory Of Machine	Sandhu Singh
86	Thermal Engg.	R,S Khurmi
87	Thermal Science	R.K Rajput
88	Thermal Science And Engg.	D.S Kumar
89	Thermodynanamic Macroscopic	Ashok Sharma

90	Thermodynamics	S. K Singh
91	Workshop Practice	V D Sbissa
92	Workshop Technology	B.S Raghuvansi

5.Detail of non print (audio, video, CDs, downloaded articles)

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NPTEL online video lecture link			
S. No.	Subject	Topic	Link
1.	Fluid Mechanics	experimental method in fluid mechanics	https://nptel.ac.in/courses/112/103/112103290/
2.	Fluid Mechanics	Advanced Fluid Mechanics	https://nptel.ac.in/courses/112/105/112105218/
3.	Manufacturing Process	Metal forming technology	https://nptel.ac.in/courses/112/107/112107250/
4.	Manufacturing Process	Fundamentals of Manufacturing Process	https://nptel.ac.in/courses/112/107/112107219/
5.	Manufacturing Process	Manufacturing Process technology Part-I	https://nptel.ac.in/courses/112/104/112104195/
6.	Manufacturing Process	Manufacturing Process technology Part-II	https://nptel.ac.in/courses/112/104/112104204/
7.	Manufacturing Process	Mechanics of Machining	https://nptel.ac.in/courses/112/103/112103248/
8.	Manufacturing Process	Machining Science	https://nptel.ac.in/courses/112/104/112104290/
9.	Manufacturing Process	Automation in Manufacturing	https://nptel.ac.in/courses/112/103/112103293/
10.	Manufacturing Process	Advanced Manufacturing Process	https://nptel.ac.in/courses/112/107/112107078/
11.	Manufacturing Process	Rapid Manufacturing	https://nptel.ac.in/courses/112/104/112104265/
12.	Heat Transfer	Heat and Mass transfer	https://nptel.ac.in/courses/112/101/112101097/
13.	Heat Transfer	Fundamentals of convective heat transfer	https://nptel.ac.in/courses/112/103/112103297/
14.	Heat Transfer	Radiative heat transfer	https://nptel.ac.in/courses/112/107/112107256/
15.	Heat Transfer	Conduction and convection heat transfer	https://nptel.ac.in/courses/112/105/112105271/
16.	Thermodynamics	Basic Thermodynamics	https://nptel.ac.in/courses/112/105/112105123/

17.	Thermodynamics	Concepts of Thermodynamics	https://nptel.ac.in/courses/112/105/112105266/
18.	Thermodynamics	Applied Thermodynamics	https://nptel.ac.in/courses/112/103/112103275/
19.	Thermodynamics	Laws of Thermodynamics	https://nptel.ac.in/courses/112/105/112105220/
20.	Power plant Engineering	Power Plant	https://nptel.ac.in/courses/112/107/112107291/
21.	Power plant Engineering	Steam Power Engineering	https://nptel.ac.in/courses/112/103/112103277/
22.	Engineering Drawing and Computer Graphics		https://nptel.ac.in/courses/112/105/112105294/
23.	Engineering Mechanics	Principle of mechanics	https://nptel.ac.in/courses/112/106/112106286/
24.	Robotics	Robotics	https://nptel.ac.in/courses/112/105/112105249/
25.	Industrial Engineering	Principle of Industrial Engineering	https://nptel.ac.in/courses/112/107/112107292/
26.	Aerodynamics	Aircraft Propulsion	https://nptel.ac.in/courses/112/103/112103281/
27.	CIM	Computer Integrated Manufacturing	https://nptel.ac.in/courses/112/104/112104289/
28.	Theory of Machine	Theory of Mechanism	https://nptel.ac.in/courses/112/106/112106270/
29.	Theory of Machine	Kinematics of Mechanism and Machines	https://nptel.ac.in/courses/112/105/112105268/
30.	Mechanical Measurement	Principle of Mechanical Measurement	https://nptel.ac.in/courses/112/103/112103261/
31.	Mechanical Measurement	Engineering Metrology	https://nptel.ac.in/courses/112/104/112104250/
32.	Quality Control	Inspection and Quality Control in Manufacturing	https://nptel.ac.in/courses/112/107/112107259/
33.	Operation Management	Introduction to operation management	https://nptel.ac.in/courses/112/107/112107238/
34.	RAC	Refrigeration and Air Conditioning	https://nptel.ac.in/courses/112/107/112107208/
35.	Machine Design	Design of Machine Element-I	https://nptel.ac.in/courses/112/105/112105124/
36.	CAD	computer Aided Design and Manufacturing	https://nptel.ac.in/courses/112/102/112102101/

Swayam online video lecture link

S. No.	Subject	Topic	Link
1	Engineering Mechanics	Continuum Mechanics	https://onlinecourses.nptel.ac.in/noc20_me46/preview
2		Continuum Mechanics	https://onlinecourses.nptel.ac.in/noc20_me74/preview
3	Fluid Mechanics	Advanced Fluid Mechanics	https://onlinecourses.nptel.ac.in/noc20_me54/preview
4	Fluid Mechanics	Principle of Hydraulic Machines	https://onlinecourses.nptel.ac.in/noc20_me77/preview
5	Fluid Mechanics	Fluid Machines	https://onlinecourses.nptel.ac.in/noc20_me55/preview
6	Fluid Mechanics	Fluid Dynamics and Turbomachines	https://onlinecourses.nptel.ac.in/noc20_me75/preview
7	Manufacturing Process	Fundamentals of Manufacturing Processes	https://onlinecourses.nptel.ac.in/noc20_me67/preview
8	Manufacturing Process	Manufacturing System Technology I & II	https://onlinecourses.nptel.ac.in/noc20_me49/preview
9	Manufacturing Process	principle of metal forming	https://onlinecourses.nptel.ac.in/noc20_me72/preview
10	Manufacturing Process	Theory of Production Process	https://onlinecourses.nptel.ac.in/noc20_me73/preview
11	Manufacturing Process	Rapid Manufacturing	https://onlinecourses.nptel.ac.in/noc20_me50/preview
12	Manufacturing Process	Advanced Machining Process	https://onlinecourses.nptel.ac.in/noc20_me76/preview
13	Manufacturing Process	Advanced in Welding and Joining Technologies	https://onlinecourses.nptel.ac.in/noc20_me65/preview
14	Manufacturing Process	Automation in Manufacturing	https://onlinecourses.nptel.ac.in/noc20_me58/preview
15	Air Craft Propulsion	Air Craft Propulsion	https://onlinecourses.nptel.ac.in/noc20_me90/preview
16	FEM	Basics of Finite Element Analysis	https://onlinecourses.nptel.ac.in/noc20_me91/preview
17	FEM	Finite Element Method	https://onlinecourses.nptel.ac.in/noc20_me60/preview
18	Material Science	Basics of Material Engineering	https://onlinecourses.nptel.ac.in/noc20_me78/preview
19	Material Science	Slection of Nano Materials	https://onlinecourses.nptel.ac.in/noc20_me83/preview
20	Material Science	Introduction to Composite	https://onlinecourses.nptel.ac.in/noc20_me95/preview

21	Thermodynamics	Concepts of Thermodynamics	https://onlinecourses.nptel.ac.in/oc20_me51/preview
22	Engineering Metrology		https://onlinecourses.nptel.ac.in/oc20_me94/preview
23	Engineering Drawing	Engineering Drawing and Computer Graphics	https://onlinecourses.nptel.ac.in/oc20_me79/preview
24	Heat Transfer	Fundamentals of Conduction and Radiation	https://onlinecourses.nptel.ac.in/oc20_me85/preview
25	Heat Transfer	Fundamentals of convective Heat Transfer	https://onlinecourses.nptel.ac.in/oc20_me81/preview
26	Heat Transfer	Heat Exchanger	https://onlinecourses.nptel.ac.in/oc20_me52/preview
27	Vibration	Introduction to Mechanical Vibration	https://onlinecourses.nptel.ac.in/oc20_me66/preview
28	Vibration	Principle of Vibration Control	https://onlinecourses.nptel.ac.in/oc20_me48/preview
29	Mechanical Measurement	Mechanical Measurement System	https://onlinecourses.nptel.ac.in/oc20_me57/preview
30	Product Design and Development	Product Design and Development	https://onlinecourses.nptel.ac.in/oc20_me69/preview
31	RAC	Refrigeration and Air Conditioning	https://onlinecourses.nptel.ac.in/oc20_me71/preview
32	Robotics	Robotics Engineering	https://onlinecourses.nptel.ac.in/oc20_me56/preview
33	MOS	Solid Mechanics	https://onlinecourses.nptel.ac.in/oc20_me84/preview
34	Power Plant	Steam Power Engineering	https://onlinecourses.nptel.ac.in/oc20_me87/preview

National digital library web courses video link			
S. N	SUJECTS	TOPIC	VIDEOLINK
1	Strength of material	stress strain	https://youtube.videoken.com/embed/_2d8YsXwm7M
2	Strength of material	Stress and Strain Tensor	https://youtube.videoken.com/embed/_2d8YsXwm7M
3	Strength of material	Mohr Circle (Continued)	https://youtube.videoken.com/embed/rx0kDS9JrXM
4	Strength of material	Torsion of Non-Circular Shaft	https://youtube.videoken.com/embed/GyAD3y6eatQ
5	Strength of material	Bending of Curved Bars (Continued)	https://youtube.videoken.com/embed/pE2kCXZ_4xA
6	Engineering	Introduction and	https://youtube.videoken.com/embed/9GMBp

	thermodynamics	Fundamental Concepts	ZZtjXM
7	Engineering thermodynamics	Thermodynamic Property Relations - I	https://youtube.videoken.com/embed/xTpmdeq25YI
8	Engineering thermodynamics	Vapors Power Cycle - I	https://youtube.videoken.com/embed/4-BI22Wx4Pc
9	Engineering thermodynamics	Gas Power Cycle - I	https://youtube.videoken.com/embed/7A2-n443sZg
10	Engineering thermodynamics	Properties of Pure Substances - I	https://youtube.videoken.com/embed/pJM9Fh9Fp-I
11	Design of Machine Elements I	Engineering Materials	https://youtube.videoken.com/embed/m9l1tVXyFp8
12	Design of Machine Elements I	Shaft Coupling - I	https://youtube.videoken.com/embed/uGxfchLe-I
13	Design of Machine Elements I	Design of Springs	https://youtube.videoken.com/embed/QfhIea6KzZA
14	Design of Machine Elements I	Design of Brakes - I	https://youtube.videoken.com/embed/ZldkigrDplc
15	Dynamics of Machines	Rigid Body Motion - Part 1	https://youtube.videoken.com/embed/p075LPq3Eas
16	Dynamics of Machines	Single-Cylinder Engine Balancing	https://youtube.videoken.com/embed/YoZgk1xIIW4
17	Dynamics of Machines	Rayleigh's method	https://youtube.videoken.com/embed/ydfIDCPUgYo
18	Fluid Mechanics	Conservation Equations in Fluid Flow	https://youtube.videoken.com/embed/BTI1y11TSOU
19	Fluid Mechanics	Introduction to Turbulent Flow Part I	https://youtube.videoken.com/embed/dgIOpxgOTfs
20	Fluid Mechanics	Incompressible Viscous Flows Part III	https://youtube.videoken.com/embed/qA7pKkve4rM
21	Heat and Mass Transfer	Introduction to Heat and Mass Transfer	https://youtube.videoken.com/embed/QcTr0-QrSMY
22	Heat and Mass Transfer	Heat Conduction - 1	https://youtube.videoken.com/embed/xAcZ9-zNYIY
23	Heat and Mass Transfer	Thermal Radiation - 1	https://youtube.videoken.com/embed/CDncSyDvpdQ
24	Heat and Mass Transfer	Forced Convection - 1	https://youtube.videoken.com/embed/IGmWHUsBQ4U
25	Manufacturing Processes I	Machining Fundamentals	https://youtube.videoken.com/embed/nqHbj8Xsuas
26	Material science	Composites	https://nptel.ac.in/content/storage2/courses/112108150/pdf/Lecture_Notes/MLN_12.pdf
27	Material science	Phase Diagrams	https://nptel.ac.in/content/storage2/courses/11

			2108150/pdf/Lecture_Notes/MLN_07.pdf
28	Material science	Applications and Processing of Ceramics	https://www.nptel.ac.in/content/storage2/courses/112108150/pdf/Lecture_Notes/MLN_10.pdf
29	Fluid Mechanics	Introduction to Laminar Boundary Layer Part I	https://www.youtube.com/watch?v=DyrqEZGjyLA
30	Industrial Engineering	Production Planning and Control	https://www.youtube.com/watch?v=yYIVumq6sVM
31	Mechanical Vibrations	Energy Method, Principle of Virtual Work	https://www.youtube.com/watch?v=0LtuQUOX6gg
32	Mechanical Vibrations	Forced Harmonic Vibration	https://www.youtube.com/watch?v=IME0kH37liY
33	Strength of material	STRESS TRANSFORMATION	https://youtu.be/68v3o2-ddoA

Academic Year: 2020-2021(Even Sem)				
Details of lab experimental video				
S. No	Subject (lab name)	Sem.	Name of experiment for video uploading	Video link
1	Metrology Lab	8	Study of profile projector	https://youtu.be/-RflcL9ciYc
2	Metrology Lab	8	Study of optical flat	https://youtu.be/wkEhxs4POF4
3	Metrology Lab	8	Metrology lab gear tooth vernier calliper sb	https://youtu.be/yWGcTEyf0F0
4	Metrology Lab	8	Study of slip gauges	https://youtu.be/jsDTo64tJ60
6	IE Lab	8	Ie lab 8 sem introduction	https://youtu.be/XgkWtyWYEiw
7	IE Lab	8	I E LAB 8 SEM EXP NO 1 Determination of time standard for a given job using stopwatch time stu	https://youtu.be/4IY6P0JRrdI
8	IE Lab	8	I E LAB 8 SEM EXP NO 2 Preparation of flow process chart, operation process chart and man machin	https://youtu.be/EpmzDIYO11g

9	IE Lab	8	IE LAB 8 SEM EXP NO 1 Determination of time standard for a given job using stopwatch time study	https://youtu.be/hRI7yxJpGrY
10	CIM LAB	6	NC Program Turning CIM LAB 6 SEM	https://youtu.be/VY3N935kjAE
11	CIM LAB	6	NC Program 3 CIM LAB 6 SEM	https://youtu.be/tOLJ7yawNBM
12	CIM LAB	6	NC Program 2 CIM LAB 6 SEM	https://youtu.be/2jd1_Gd2tEY
13	CIM LAB	6	N C PROGRAMME 1 CIM LAB 6TH SEM	https://youtu.be/vNKUkCQGekk
14	CIM LAB	6	APT PROGRAMME CIM LAB 6 SEM	https://youtu.be/uCRkuV-6pio
15	Thermal Engg.Lab	6	Valve timing diagram of 4 stroke diesel engine	https://youtu.be/P8TKD05rCUY
16	Thermal Engg.Lab	6	classification of boilers	https://youtu.be/nE9DjoiE_4U
17	Vibration lab	6	Exepriement 2 Determination of radius of gyration by Compoundd pendulam	https://youtu.be/rlaLwXWytBo
18	Theory of machine Lab	4	Study of Four Bar Chain	https://youtu.be/CramqJArVqU
19	Theory of machine Lab	4	Study of Inversion of Double Slider Chain	https://youtu.be/u6vUfgQthgo
20	Theory of machine Lab	4	Study of Quick Return Mechanism	https://youtu.be/GEfA9M17EfM
21	Theory of machine Lab	4	Study of Steering Mechanisms	https://youtu.be/HBzfa7gxivs
22	Theory of machine Lab	4	To determine the coefficient of friction	https://youtu.be/xeS8ELL9R1M
23	Theory of machine Lab	4	To verify the torque relation for gyroscope	https://youtu.be/RBg uMzRKiww
24	FM Lab	4	FM LAB 4 SEM Head Loss due to Friction in a Pipe	https://youtu.be/izPJUV_NGRY
25	FM Lab	4	FM LAB 4 SEM Experimental Verification of Bernoulli's Theorem	https://youtu.be/E_OUb5Mkmzg
26	FM Lab	4	FM LAB 4TH SEM Determination of Metacentric height	https://youtu.be/g5KggqLKcnhg
27	FM Lab	4	FM LAB 4th SEM CALIBRATION OF V NOTCH	https://youtu.be/GPwj2KzB-Hg
28	Production practice lab-1	4	1 AFS Seive Analysis Test	https://youtu.be/0kz8pXNggkI
29	Production practice lab-1	4	PREPERATION OF METRIC THREAD ON LATHE MACHINE	https://youtu.be/fCQfbp98GDc

30	Production practice lab-1	4	TAPPER TURNING BY COMPOUND REST	https://youtu.be/sGbCPfw9G2U
31	DE Lab	4	AND, OR, NOR, NAND, NOR Also verify the TT Ex OR, Ex NOR gate1	https://youtu.be/FR203IUCCnI
32	DE Lab	4	To realize an SOP and POS expression	https://youtu.be/9ESVXQqL9Q4
33	DE Lab	4	To verify the TT of OR, AND, NOR, EX OR, EX NOR realized using NAND and NOR gate	https://youtu.be/L14JtiDFvjs
34	CAMD Lab	2	intro to orthographic projection	https://youtu.be/-oQJFceORyY
35	CAMD Lab	2	RIVET JOINT CAMD LAB	https://youtu.be/Qjlz5RREH1E
36	CAEG Lab	2	PLAIN SCALE CAEG LAB	https://youtu.be/5JS1uMbb-8
37	CAEG Lab	2	Projection of point CAEG LAB	https://youtu.be/P3tXkLBvjN4
38	CAEG Lab	2	Projection of straight line CAEG LAB	https://youtu.be/sVn291FCmac

Academic Year: 2020-2021(Odd Sem.)

Details of lab experimental video

<u>S. No</u>	Subject (lab name)	Name of experiment for video uploading	Video link
1	FEM Lab	Introduction to ANSYS FEA Lab	https://youtu.be/yFsZh5HLPCI
2		Eigenvalue Buckling Analysis Using ANSYS FEA Lab	https://youtu.be/hyrY3KIRNI0
3		1D Cantilever Beam Analysis Using ANSYS	https://youtu.be/yg-2MwC01jQ
4		Introduction of Drafting ANSYS-18	https://youtu.be/yyM1gxAVycg
5		Steady State Thermal Analysis of a Beam FEA LAB	https://youtu.be/S8xJ2N3ES4A
6	QC Lab	Case study on X bar chart and R chart of an industrial process output and process capability analysis of the process.	https://youtu.be/Ssfgn7OzYCg

7	HT Lab	To Determine Stefan Boltzman constant of radiation heat transfer.	https://youtu.be/8nBbroYSb9I
8		Determine The Thermal Conductivity of Metal Rod	https://youtu.be/m4nZdZPnG9Q
9	PE LAB	Measurement of angle by using sine bar.	https://youtu.be/ce2Exd07vfE
10		To measure a gap by using slip gauges	https://youtu.be/b7aX9JIUc7s
11	PE LAB	Demonstration of various measuring tools like dial gauge, micrometer, vernier caliper and telescopic gauges.	https://youtu.be/yptpqSFCBWs
12		Measurement of gear tooth thickness by using gear tooth vernier caliper.	https://youtu.be/suWlbcIo mg
13	MT LAB	TO perform tensile test on universal testing machine	https://youtu.be/oQDZAmhtkGQ
14		To perform bending/compression test on utm machine	https://youtu.be/JG9miV0a mag
15		study of various crystal structure through model BCC ,FCC, HCP	https://youtu.be/lYpzeRMCcBs
16		TO perform fatigue test of a given specimen	https://youtu.be/aG_iZ7YulNw
17		To perform Torsion test on torsion testing machine	https://youtu.be/Sqbpw6N_2U
18		To perform brinell and rockwell hardness test of a given specimen	https://youtu.be/NTcz4Ew9 qao
19	TE LAB	Study of pelton wheel turbine	https://youtu.be/K3N9SZ9gRX0
20		Determination of Dryness Fraction of Steam in Boiler	https://youtu.be/4fMxI0BKt9Q
21		Study of refrigeration system	https://youtu.be/_R9rC1iinI0
22	CAEG LAB	Scale drawing	https://youtu.be/HmljATBaTfU
23		Projection of straight line	https://youtu.be/b5iCIRcwKrQ
24		Projection of plane	https://youtu.be/ZP3ske9dqHM
25		Projection of solid	https://youtu.be/bTfSBQmI6HU
26		Orthographic Projection CAEG	https://youtu.be/d3vd2xjJz-A
27		Introduction of Computer Aided Engg. Graphics (CAEG) & Machine Drawing (CAMD) 1st year	https://youtu.be/Y9uwydZVuRA
28	MECHANICAL WORKSHOP	Foundry Shop Molding	https://youtu.be/Al6Es5x60Ho
29		Fitting Shop Demonstration	https://youtu.be/FgHWIVsdZqY

30		Overall Workshop Introduction Workshop Practice Lab	https://youtu.be/FicHUFEBouA
31		Sheet Metal Tin Smithy Workshop Practice Lab	https://youtu.be/cuv-tP6JHEI
32		Arc welding demonstration	https://youtu.be/5StZZV0wn2s
33		Step Turning on Lathe Machine Workshop Practice Lab	https://youtu.be/xRKGB1Ot0BA
34	IT Lab	Industrial Training For Mechanical Engineering Students	https://youtu.be/CQuyxmhvTU
35		Tips for How To Get Industrial Training	https://youtu.be/1XgG6-n45Tk
36	BME LAB	Demonstration of working of air conditioner(window type)	https://youtu.be/YpLdQn3SJU
37		Study of various parts of bicycle	https://youtu.be/0nyFn6E-V4Y
38		Study of various parts of sewing machine	https://youtu.be/mK43q3BiZZI

Academic Year: 2020-2021(odd Sem)			
Details of SUBJECT video			
1	I C Engine	I.C. Engine Engine cooling	https://youtu.be/jGlSxUFArZ4
2		I.C. Engine Alternative fuel 1	https://youtu.be/hd_X1ECRq4o
3		I.C. Engine Alternative fuel 2	https://youtu.be/MhbknG0aLQ
4		I.C. Engine Carbonation & injection	https://youtu.be/U8T0zLky47M
5	Heat And Mass Transfer	Lecture on Heat Exchanger	https://youtu.be/Z3ia5Z1-zcw
6	Design Of Machine Element	Numerical on Cotter Joint Machine Design Practice-1	https://youtu.be/GQJllyCAnMo
7		Numerical Based on Combined Stresses in Shafts	https://youtu.be/EXB_T3W4H0U
8	Principle Of Management	POM Communication	https://youtu.be/fInToVvL8Y
9		POM Controlling	https://youtu.be/bytorLzWvps

10		Productivity Unit 4	https://youtu.be/UWE0GJA_DXA
11		Decision Making	https://youtu.be/15Z_9L6HvV8
12		POM Operation Management	https://youtu.be/bC2X9rbBSto
13		Management by objective (MBO)	https://youtu.be/1Sg0m41J7v4

B.Tech Final Year Project list Session (2019-20)

S. No	Roll No.	Team Members	Title of project	Project Guide
1	47-A	Komal Kumar	Dual side water pumping system by using scotch yoke mechanism	Mr. Abhishek kumar
	9-A	Amit Kumar Tinkar		
	61-A	Mohd Asif Khan		
2	13-A	Anshuman Pacholi	Prototype of abrasive jet machine for metal cutting purpose	Mr. Srikant bansal
	56-A	Manish Khatri		
	15-A	Archit Mishra		
	16-A	Arpit Choudhary		
3	17-A	Arpit Kasliwal	Kinetic energy recovery system	Mr. Abhishek kumar
	6-A	Ajay Sharma		
	25-A	Chirag Talwar		
	12-A	Ankur Mittal		
	1-C	Abhishek Jain		
4	11-A	Ankit Kumawat	Multi directional wind mill (hybrid)	Mr. Tej bahadur
	18-A	Ashok Kumar Saini		
	19-A	Ashutosh Mewara		
	20-A	Augustin Joy Marker		

	21--A	Bal Kishan Dhaker		
5	23-A	Bharat Khandelwal	Sanitary ware designing with fff technology	Mrs. Priti bodkhe
	8-A	Akash Agrawal		
	10-A	Anil Kumar Saini		
	42-A	Jaswant Singh Gehlot		
	40-A	Himanshu Sharma		
6	24-A	Chirag Maheshwari	Implementation of automation and a i in workshop	Mr. Kuldeep sharma
7	39-A	Himanshu Mahipal	Design and fabrication of paper shredder	Dr. Fauzia siddique
	41-A	Himanshu Singhal		
	45-A	Keval Nagar		
	37-A	Himanshu Jain		
	1-A	Abhishek Gupta		
	3-A	Abhishek Rajput		
8	57-A	Manish Sharma	Drylin or linear ball bearing testing and find the least torrence	Mr. Akhilesh paliwal
	5-A	Aditya Sanadhya		
	32-A	Dinesh Suthar		
	51-A	Lalit Pareek		
9	55-A	Manish Gangwar	Solatr vegetable dryer	Mrs. Priti bodkhe
	53-A	Lokesh Kumar Dubey		
	52-A	Lokesh Dhyawana Meena		

	58-A	Mayur Sen		
	72-A	Rahul Khandelwal		
10	60-A	Mohammed Saquib Khan	Design, fabrication and testing of high efficiency domestic gas burner	Dr. Rishi pareek
	64-A	Neel Raj Kaushik		
	49-A	Lakshy Zaveri		
	81-B	Rishabh Dutt Sharma		
11	67-A	Pankaj Jangid	Inbuilt hydraulic vehicle lifting jack	Mr. Kuldeep sharma
	68-A	Pankaj Kumar Chahar		
	70-A	Poonam Kumari		
	76-B	Rajat Gupta		
	54-A	Lovekesh Gupta		
	82-B	Rohit Gehlot	Design, fabrication and testing of low cost solar still	Dr. Rishi pareek
	26-A	Darshan Baid		
	71-A	Prasit Jain		
	124-B	Aman Maheshwari		
	29-A	Devansh Sharma		
12	33-A	Divik Mathur	Adjustable shelves and folding bar refrigerator	Mr. Kuldeep sharma
	31-A	Dheeraj Verma		
	36-A	Himanshu Chhapparwal		
	105-B	Subham Agarwal		
	50-A	Lakshyaraj Singh Rathore		
13	66-A	Om Prakash	Fused deposition modeling (fdm) filament test and fabrication of 9 models by 3d printing	Mr. Aashish nagpal
	115-B	Vikash Kumar		
	38-A	Himanshu Jain		
	65-A	Nehal Shams		
	78-B	Ramumesh Choudhary		

14	77-B	Rajat Yadav	Semiautomatic rain protector cover for car	Mr. Akhilesh paliwal
	120-B	Yash Jaitawat		
	95-B	Shubham Garg		
	98-B	Shubham Nagar		
	109-B	Tarun Balwada		
15	80-B	Rishabh Bhardwaj	To enhance the single charge run of e v by using renewable resource	Dr. Manish srivastava / dr. Rishi pareek /
	100-B	Shubham Singhal		
	101-B	Shubhendra Sharma		
	74-B	Rahul Sharma		
	91-B	Saurabh Sadarangani		
16	85-B	Sailendra Yadav	Wheel chair cum bed with flush system	Dr. Bhuvnesh bharadwaj
	73-B	Rahul Kumar Mishra		
	69-A	Piyush Giri		
	89-B	Saurabh Pandey		
	129-B	Sujeet Kumar Singh		
17	102-B	Shyam Lal Mishra	Numerical and experimental analysis of heat exchanger by changing baffles	Mrs. Priti bodke
	97-B	Shubham Khandelwal		
18	106-B	Suryansh Maheshwari	Controlled continuous variable transmission	Dr. M. P. Singh
	44-B	Kartik Choudhary		
19	118-B	Vishal Choudhary	Affordable rainwater harvesting	Mr. Abhishek kumar
	110-B	Tarun Dubey		
	108-B	Tanuj Singh		
	103-B	Shyam Pratap Singh Rathore		
	79-B	Rishabh Ahir		

20	125-B	Kuldeep Mathur	Development of device for safety of human head	Dr. Bhuvnesh bharadwaj
	128-B	Somesh Vijayvergiya		
	123-B	Aditya Kumar Pal		
	86-B	Sanjeev Kumar		
21	131-B	Yogesh Sharma	Design and fabrication of multipurpose wheel chair convertible to bed	Dr. Bhuvnesh bharadwaj
	107-B	Tanmay Sharma		
	14-A	Anuj Agrawal		
	126-B	Mukund Nama		
	127-B	Nitin Sharma		
22	94-B	Shreekant Gauttam	Design and fabrication of compact paper recycling machine	Dr. Fauzia siddique
	93-B	Shailendra Sharma		
23	90-B	Saurabh Patwari	Design and fabrication of multipurpose robust crop cutting machine for agro-industry	Mrs. Palak jindal / mr. Aashish nagpal
	99-B	Shubham Singh		
	104-B	Sparsh Bhatia		
	121-B	Zaid Ali Ansari		
	130-B	Sumit Sharma		
24	92-B	Saurav Singh Rathore	Circular cooler (for increasing efficiency of existing cooler)	Mr. Shrikant bansal
	75-B	Rahul Yadav		
	117-B	Virendra Singh Shekhawat		
	87-B	Sarvesh Nandwana		
	84-B	Sachin Choudhary		
25	13 batch	Tarun Kumar Vyas (Back)	speeding up the development of fdm technology	Mr. Satyendra kumar
	116-B	Vinit Sharma		
	30-A	Dheeraj Kumar		
	7-A	Ajay Singh Rathore		

	4-A	Abhishek Yadav		
26	114-B	Varruchi Katyayan	Fff test print: 10 models to find the least torrence	Mr. Satya prakash saini
	112-B	Madan Garg		
	2-A	Abhishek Kumar		
	83-B	Romom Moolchandani		
	119-B	Vishal Mittal		
27	22-A	Balbir Singh	Automatic drain and gutter cleaner	Mr. Lalit kumar sharma
	28-A	Deepak Kurup		
	24-C	Kundan Kumar		
	28-C	Mohit Menaria		
	33-C	Pranshu Dave		
28	43-A	Jayant Soti	T.e.a.c. (thrifty and efficient air condiioning system)	Dr. Rishi pareek
	113-B	Usama Sherwani		
	96-B	Shubham Katta		
	48-A	Krishna Agarwal		
	27-A	Dattatrey Singh Shekhawat		
29	26-C	Lokendra Singh	Thermoacaustic refrigerator	Mr. Tej bahadur
	31-C	Nikhil Sharma		
	12-C	Devendra Kumar Vijay		
	38-C	Rakesh Jakhar		
	04-C	Anil Jaswani		
	52-C	Udit Mathur		
30	36-C	Praveen Mangawa	vehicle axis wind mill	Dr. Manmohan siddh
	20-C	Himanshu Joshi		
	54-C	Varun Gautam		
	56-C	Yash Dangi		
	57-C	Yogesh Kumar Dwivedi		
31	53-C	Vaibhav Parakh	Electric thermal gloves	Mr. Hemant bansal

	46-C	Shivam Kumar Agrawal		
32	30-C	Navendu Shekhar Pandey	Implementation of six sigma	Dr. Manmohan siddh
	47-C	Shubham Lohomi		
33	03-C	Alex Abhinav Anand	Foot step power generation	Mr. Dayal singh rathore / mr. Tej bahadur
	14-C	Divyansh Shrangi		
	27-C	Manish Sharma		
	42-C	Sahil Bhargava		
	08-C	Bhupendra Kumar		
34	25-C	Lavneet Jhasal	Power kart	/mr. Hukam chand nagar / mr. Ravi yadav
	44-C	Saksham Soni		
	09-C	Dattatreya Gorsia		
	11-C	Deepak Sharma		
	29-C	Naveen Kumawat		
35	39-C	Rishabh Soni	Maintenance and testing of four stroke petrol engine	Mr. Yogesh dubey / mr. Ravi yadav
	51-C	Sunil Sharma		
	13-C	Dinesh Mulewa		
	21-C	Himanshu Shekhar		
	17-C	Govind Kumar Meena		
36	19-C	Hemendra Singh Rao	Anti tank mine detector and extraction	Dr. M.p. singh
	16-C	Gajendra Singh Tanwar		
	112-B	Udaishaya Sharma		
	130-EC	Nikita Kachhawa		
37	2-C	Aditi Gupta	Veaw - voice controlled electronic autonomous wheelchair	Dr. Rishi pareek
	45-C	Sarang Choudhary		
	22-C	Jubeen Kanwar		
	49-C	Sudhanshu Sukhwal		
	35-C	Pratyush Bhardwaj		
38	23-C	Keshav Bhardwaj	Design and fabrication of air purifier in workshops	Dr. Manmohan siddh
	18-C	Hanuman Singh		

	15-C	Faiz Mohammed		
	7-C	Bharat Singhal		
	6-C	Ayush Agrawal		
39	40-C	Rohit Chahar	Atv brakes and power train and its manufacturing	Mr. Akhil vijay / mr. Kuldeep sharma
	34-A	Ekant Labana		
	48-C	Sourav Choudhary		
	34-C	Pratham Tailor		
	59-A	Md. Nijarul		
40	50-C	Sumit Jain	Advance designing of an all terrain vehicle	Mr. Ashish nagpal / mr. Kuldeep sharma
	32-C	Pankaj Jangir		
	63-A	Navneet Priya Gupta		
	10-C	Deepak Dugar		
	35-A	Hardeep Singh		
41	37-C	Punit Choudhary	Study of atv suspension and steering and manufacturing	Mr. Satya prakash saini / mr. Kuldeep sharma
	46-A	Kishan Kumawat		
	55-C	Vikram Pratap Singh		
	5-C	Avnish Bhardwaj		
	62-A	Naveen Kumar Verma		

B.Tech Final year Project List Session (2020-21)				
Group no.	Roll No.	Team Members	Title of project	Project Guide
A-1	1	Abhinav gupta	Affordable Electricity generation using advanced piezoelectric generator	Ms Palak Jindal
	14	Anubhav agarwal		
	53	Kunal dewan		
	17	Ashwani singh		

A-2	2	Abhinav raj	Dehumidifier	Dr. M.P. Singh
	13	Ankur agarwal		
	26	Chaitanya sharma		
	49	Karan pandey		
A-3	3	Abhinav sharma	Design of Lockwood/Hillary Valve less pulse jet engine	Mr Akhilesh Paliwal
	7	Abhishek trivedi		
	8	Aditya joshi		
A-4	4	Abhishek banthiya	Different methods to find out Testing and performance of Engine	Dr. M.P. Singh
	27	Chinmay jain		
	28	Chirag gupta		
	30	Dayaram dev		
A-5	5	Abhishek mishra	To make a model with Different-Different silicng settings	Mr Abhishek Kumar
	35	Gaganpreet singh		
	61	Mohit sharma		
	1-C	Abhayjit kumar		
A-6	6	Abhishek soni	Fabrication of Lockwood/Hillary Valve less pulse jet engine	Mr Akhilesh Paliwal
	10	Aditya marwal		
	33	Devesh gaur		
	38	Gopiraj singh shekhawat		
A-7	9	Aditya kumar	Solar sprayer	Mr. Tej Bahadur Singh
	16	Ashish kumar		
	20	Ayush mangal		
	66	Nikhil bansal		
A-8	11	Animesh kumar	ATV Braking System	Mr Akhil Vijay
	22	Bhanu prasad dixit		
A-9	12	Anish sharma	Designed,analyzed,tested, and successfully implemented Power train for single rider ATV	Mr Kuldeep Sharma
	124	Vedant saxena		
	119	Yash bakliwal		
	29	Chirag panchal		
A-10	15	Arpit ojha	sustainable composite material	Mr. Kuldeep Sharma
	23	Bhawesh sharma		
A-11	36	Garvit tyagi	Design of air compressed engine	Dr. M.P. Singh
	37	Gaurav mishra		
	18	Atishay jain		

	44	Himanshu nama		
A-12	19	Avinash choudhary	Design and analysis of Surveillance Drone	Mr. kuldeep Sharma
	47	Janak singh nathawat		
	48	Jayvardhan singh nirwan		
	31	Deepak singh		
A-13	62	Mohit soni	Ackerman steering system (E-Gokart)	Mr Lalit Kumar Sharma
	64	Naman gupta		
	69	Nitesh harit		
	25	Bhuvnesh mudgal		
A-14	24	Bhupendra singh khangarot	Climb Cart	Mr. Dayal Singh Rathore
	58	Mayank singh shekhawat		
	59	Meru jain		
	60	Mohit jangid		
A-15	32	Deeya sharma	Solar still	Mr.Tej Bahadur singh
	56	Lokesh gautam		
	57	Lokesh purohit		
	104	Shubhada agarwal		
A-16	34	Dhananjay yadav	Brake assembly for Electric kart	Mr Rajendra Kr Gupta
	21	Ayush sharma		
	54	Kunal jain		
	39	Harshit singh rathore		
A-17	40	Harshul agrawal	Construction material lifted by using solenoid engine	Mr. Lalit kumar sharma
A-18	41	Harshvardhan lodhi	HHO GENERATOR	Dr Rishi Pareek
	45	Hitik khandelwal		
	46	Ishan panchal		
	55	Lalit goyal		
A-19	50	Kaushal bang	Platfrom Jack with working model	Dr Fauzia Siddiqui
	63	Mudit kankariya		
	26-C	Jinesh sonawat		
		Parvinder singh		

A-20	51	Keshav gautam	Portable mini windmill	Mr Hemant Bansal
	73	Prakhar tiwari		
	75	Prateek agrawal		
	84	Rajpal singh		
A-21	43	Himanshu dadhich	Two Wheeler Self Side Stand	Mr Yogesh Dubey
	52	Khushal singh		
	67	Nikhil dadhich		
B-1	68	Nirmal lohar	Design of foot step power generation using rack and pinion motion with suspension spring	Mr. Abhishek kumar
	87	Rohit singh		
	89	Sachin kumar		
	90	Sachin singh nirwan		
B-2	72	Prabhat agarwal	Automatic irrigation system	Mr. Kuldeep Sharma
	74	Praneet bansal		
	77	Priyanshu jain		
	103	Shreya gupta		
B-3	78	Rahul chechi	TE cooler	Dr. Bhuvnesh Bharadwaj
	85	Ram lal		
	88	Rohit tinker		
	91	Sandeep kumar		
B-4	81	Rahul singh negi	Weight Assisted Robotic Arm	Dr Manoj Gupta
	82	Rahul soni		
	83	Rajendra prajapat		
B-5	92	Sanjay meghvanshi	Electricity generation by piezo sensors	Mr. Satya prakash Saini
	101	Shohed khan		
	106	Shubham soni		
	107	Soumay gupta		
B-6	93	Saurabh jain	Helmet Wiper	Mr.Hemant Bansal
	94	Saurabh jain		
	96	Saurabh sharma		
	108	Sourav jaiswal		
B-7	95	Saurabh kumar sharma	3D Printed Jet Engine with working model	Mr Shrikant Bansal
	109	Tarique anwar khan		
	111	Tushar jhurani		
	124	Abhinav vaishnav		
B-8	110	Tushuar agrawal	Smart Electromagnetic Braking system	Mr. Satya prakash Saini
	112	Vaibhav boyal		
	98	Shivam vijay		

	102	Shresth sharma		
B-9	115	Venktesh parashar	Abrasive Jet Machining	Dr. Manmohan Siddh
	99	Shobhit kaushik		
	100	Shoel mansoori		
B-10	105	Shubham maan	Solar Cooler	Mr. Akhil Vijay
	116	Vishal singh tomar		
	117	Vivek parashar		
	129	Deepak faujdar		
B-11	113	Vaibhav jain	An advancement in EV	Mr.Hemant Bansal
	131	Kabir r singh		
	65	Nehal patel		
		Rahul mahawar		
B-12	122	Deepak kumar jangid	Power Generating Suspension System	Sh. Hukam chand nagar
	123	Harendra shekhawat		
	130	Dharamveer singh		
	137	Sumit sharma		
B-13	125	Ajay kumawat	Gyroscopic bike	Sh. Rajendra Gupta
	9-c	Ankit goad		
	12-c	Badal vyas		
	14-c	Bhupesh lodha		
B-14	127	Avinash tripathy	Making moulds with 3D prinitng	Dr. Manish Shrivastava
	133	Pritesh kumar		
		Ramakant		
	126	Ankit kumar		
B-15	97	Saurabh sharma	Robotic Arm model with 3D printing	Dr Manoj Gupta
	128	Ayush porwal		
	132	Lokendra gurjar		
	138	Yash kumar jain		
B-16	71	Piyush shrimali	Design and Fabrication of Electric go cart	Ms Palak Jindal
	86	Ravi sharma		
	80	Rahul rajput		
	121	Yugant garg		
B-17	120	Yash kumawat	Working Prototype with V8 Engine	Mr Lalit Kumar Sharma
	118	Vivek piproniya		
	76	Prithvi kumawat		
	135	Rahul singh solanki		
C-1	41	Shubhendu sharma	Smart robot with solar tracking system	Mr. Abhishek kumar
	34	Ravi labana		

	32	Pratham shekhawat		
	45	Vijendra singh		
C-2	3	Abhishek goyal	solar powered water purifier	Mr.Tej Bahadur Singh
	33	Puneet mathur		
	36	Rohan mathur		
	37	Rohit kumar		
C-3	5	Aditya raj	Mechanical clock via 3d printing	Dr.Manish srivastava
	6	Alok yadav		
	10	Apoorva mishra		
	21	Faiz ahmad		
C-4	7	Aman khandelwal	Banana Fibre	Mr.Nitin Chabra
	15	Bhuvnesh suman		
	44	Vijendra mehta		
	48	Yatish jain		
C-5	1	Abhay bhati	solar powered air purifier	Mr. Akhilesh paliwal
	8	Aman tinker		
	25	Himanshu tamboli		
	35	Robin singh		
C-6	11	Arun kumar yadav	Electric Heated Jacket	Mr.Hemant Bansal
	13	Bhanu pratap singh kuntal		
	16	Chitresh saini		
	24	Himanshu sharma		
C-7	17	Daksh sharma	jumping tri cycle	Dr Fauzia Siddiqui
	22	Garvit choudhary		
	30	Mantavya shekhawat		
	31	Neeraj jangid		
C-8	29	Maheshwar singh chundawat	Solar Scooter	Mr.Ravi Yadav
	38	Rohit tanwar		
	43	Suraj singh rajput		
	46	Virat sharma		
C-9	19	Devang rathore	Wheel Chair cum stature with commode	Dr Bhuvnesh Bharadwaj
	20	Dishank chauhan		

	23	Gopal bhardwaj		
	27	Kishan kumar		
C-10	39	Salil mishra	Mini Conveyor by using Geneva mechanism	Mr.Ravi Yadav
	40	Shakti singh rathore		
	4	Adarsh tomar		
	47	Vishal pandey		

6. Average numbers of books added during last three years - 10

S.No.	Book Title	Name of Author
1	Theory Of Automatic Control	S.P Singh
2	Theory Of Machine	Abdulla Sharif
3	Theory Of Machine	Sandhu Singh
4	Thermal Engg.	R,S Khurmi
5	Thermal Science	R.K Rajput
6	Thermal Science And Engg.	D.S Kumar
7	Thermodyanamic Macroscopic	Ashok Sharma
8	Thermodynamics	S. K Singh
9	Workshop Practice	V D Sbissa
10	Workshop Technology	B.S Raghuvansi

7 List of e books - 92

S. No	Title	Author
1	A Textbook Of Fluid Mechanics & Hydraulic Machines	R K Rajput
2	Advanced Engineering Mathematics	Allen Jeffrey
3	Applied Mechanics	R K Rajput
4	Automobile Engg	Prem Kumar

5	Basic Of Mechanical Engg.	Paul D. Ronney
6	Cad-Cam.	Fadoo Engg.
7	Computational Fluid Dynamics	Naser Sayma
8	Computer Aided Engg. Design	Anupam Saxena
9	Computer Integrated Manufacturing	Fadoo Engg.
10	Design Of Machine Element	V B Bhandari
11	Engg.Metrology And Measurements	G K Vijayraghwan
12	Engineering Drawing	N.D Bhutt
13	Engineering Drawing	K Venkata
14	Engineering Fluid Mechanics	Crowe
15	Engineering Fluid Mechanics	T.T Alsemmeri
16	Engineering Mechanics	R S Khurmi
17	Engineering Thermodynamics	P K Nag
18	Engineering Thermodynamics	R K Rajput
19	Engineering_Materials	V.C Jindal
20	Engineering-Thermodynamics	R K Rajput
21	Engineering-Thermodynamics	Taril Al Shemmeri
22	Engineering-Thermodynamics	P K Nag
23	Engineering Thermodynamics	R.K Rajput
24	Fluid Mechanics & Hydraulic Machines	R K Bansal
25	Fundamentals Of Materials Science And Engineering By	William D. Callister,
26	Fundamentals Of Probability And Statistics	T.T. Soong
27	Fluid Mechanics And Hydraulic Machines	Zoeb Husain
28	Gas Turbine And Jet Propulsion	M. L Mathur

29	Gas Turbine Engineering	Meherwan P. Boyce
30	Heat And Mass Transfer	Yunus A. Çengel
31	Heat And Mass Transfer	R K Rajput
32	Heat Transfer And Mass Transfer	K. S. N. Raju
33	Higher Engineering Mathematics	B.S Grewal
34	Higher Engineering Mathematics	John Bird
35	Heat Transfer	Naser Sayma
36	Innovating In Product Development	Michel Shorly
37	Internal Combustion Engine	Willard W. Pulkrabek
38	Internal Combustion Engine	V Ganesham
39	Internal Combustion Engines	Colin R. Ferguson
40	Internal Combustion Engines R.K Rajput	R.K Rajput
41	Introduction To Basic Manufacturing Processes And Workshop Technology	P.C Sharma
42	Machine Design	R S Kurmi
43	Machine Design Data Book	Tata Mc Graw Hill
44	Machine Drawing	K Venkta
45	Machine Elements Analysis And Design	Peder Klit & Niels L. Pedersen
46	Management Accounting Principles And Application	David Hoobs
47	Manufacturing And Workshop Technology	Rajender Singh
48	Manufacturing Processes And Materials	Miltadius A. Boboulos
49	Manufacturing Science	Fadoo Engg.
50	Manufacturing Technology V-1	P N Rao
51	Manufacturing Technology V-2	P N Rao
52	Mechanical Engg.	Tata Mc Graw Hill

53	Mechanics Of Materials	Ronald Jaco
54	Mechanics Of Solids And Fracture	Ho Soong King
55	Mechatronic Systems Theory And Applications	Md. Salem
56	Metrology	Book boon
57	Modernphysicalmetallurgy And Materialsengineering	V.P Singh
58	Momentum Heat And Mass Transfer	Leo Lue
59	Material Science	Fadoo Engg.
60	Material Science And Engineering	William D. Callister,
61	Mechanical Vibration	V.P Singh
62	Objective Type Questions In Mechanical Engineering	Dr. R.K Bansal
63	Opreation Reasearch	P. Ramamurti
64	Power Plant Engineering	A.K. Raja
65	Power Plant Engineering	P K Nag
66	Power Plants	Man Diesel
67	Production And Operations Management	S.Anil Kumar
68	Production And Operations Management Systems	Sushil Gupta And Martin Starr
69	Power Plant Technology	E Walmikey
70	Quality Management	Joseph Berk And Susan Berk
71	Quantitive Aptitude	R.S Agarwal
72	Refrigeration And Air Conditioning	R S Khurm
73	Refrigeration And Air-Conditioning	G F Hundy
74	Renewable Energy Resources	John Twidell And Tony Weir
75	Solar-Energy	Robert Foster
76	Steam Turbine	Snehasis Samaddar

77	Strength Of Material	S S Rattan
78	Strength Of Materials	Andrew Pytel And Ferdinand L. Singer
79	Strength Of Materials	Dr. R.K Bansal
80	Strength Of Materials And Structures	John Case
81	Structural Vibration	C F Beard
82	Test Of Reasoning Verble And Non Verble	V.V.K Subhraj
83	Theory Of Machine	B B Low
84	Theory Of Machine	S S Rattan
85	Theory Of Machine	R S Kurmi
86	Theory Of Machine	Joseph E Shigley
87	Theory Of Machines	Dr. R.K Bansal
88	Thermal Engg.	R S Kurmi
89	Thermodynamics	Cengel
90	Turbo Machinery	Grant Intigram
91	Turbomachine	B.U Pai
92	Undamentals Of Refrigeration Thermodynamics	Daniel Micalief
93		

8. Detail of e-journals

S.No.	E-Journal Name	ISSN-NO.	Title of paper	Author name
1.	Intellectuals Society for Socio-Techno Welfare (ISST) Journal of MECHANICAL ENGINEERING	ISSN : 0976-737	Performance and emission characteristics of vcr Diesel engine fuelled by diesel-additives blend	1 Chandan Kumar, 2 K.B. Rana, 2 B. Tripathi and 1 A. Nayyar 1 Department of Mechanical Engineering, Swami Keshvanand Institute of Technology,

				Jaipur-302017, Rajasthan, India 2 Department of Mechanical Engineering, Rajasthan Technical University, Kota-324010, Rajasthan, India E-mail: chandanpink1988@gmail.com
2.	Intellectuals Society for Socio-Techno Welfare (ISST) Journal of MECHANICAL ENGINEERING	ISSN : 0976-737	A Review on Tribological Behavior of Polymeric Composites Materials	Vikas Sharma, M. L. Meena* And Mukesh Kumar Department of Mechanical Engineering, Malaviya National Institute of Technology, Jaipur-302017, Rajasthan, India
3.	Intellectuals Society for Socio-Techno Welfare (ISST) Journal of MECHANICAL ENGINEERING	ISSN : 0976-737	Advanced Manufacturing Technology: A Case Study in Small Scale Organizations	M.P. Singh* And Manish Jain Department of Mechanical Engineering, Jaipur Engineering College and Research Centre, Jaipur-302022, Rajasthan, India

9. Detail of journals 18

LIST OF JOURNALS (2018-2019)

S.No	Journals	Periodicity
1	Bulletin of Material Science	Bio-Monthly
2	Jour. On Mechanical Engg.	Quarterly
3	Power Engineer Journals	Half Yearly
4	Int. Jour. of Mechanical Automobile Engg. & Research	Half Yearly
LIST OF JOURNALS (Session-2019-2020)		
S.No	Journals	Periodicity
1	Bulletin of Material Science	Bio-Monthly

2	Int. Jour. Of Mech. Auto Mobile Engg. & Research	Half Yearly
3	Int. Jour. Of Data Analysis of Information System	Half Yearly
4	IUP Mechanical Engineering	Quarterly
5	Jour. Of Adv. Research in Mech. Engg. & Technology	Half Yearly
6	Indian Jour. Of Civil Mechanical Engineering	Half Yearly
7	Indian Jour. Of Engineering & Manufacturing Science	Half Yearly
8	Recent Trends in Automation and Automobile Engineering	3 Issue
9	Journal of Mechanical Robotics	3 Issue

LIST OF JOURNALS (2020-2021)

S.No	Journals	Periodicity
1	Int. Jour. Of Mech. Auto Mobile Engg. & Research	Half Yearly
2	Jour. Of Adv. Research in Mech. Engg. & Technology	Half Yearly+Online
3	Indian Jour. Of Engg & Material Science	Bio-Monthly
4	Indian Jour. Of Civil Mechanical Engineering	Half Yearly
5	Journal of Mechanical Robotics	3 Issues (Print +O)

10. List of virtual industry tour

S.No.	Virtual Industry Link	Related Link
1.	SUZUKI Assembly Line 2021: Production Plant (Car Factory)	https://youtu.be/gKztz01uvTY
2.	JSW Industrial visit 2019	https://youtu.be/FYPbgr2Md-c
3.	MARUTI SUZUKI Plant Visit Feature Video	https://youtu.be/yJrejEcEpHE
4.	CAR Manufacturing Process	https://youtu.be/A-n2DGjK0iU

5.	BMW Car Factory Robots - Fast Manufacturing	https://youtu.be/P7fi4hP_y80
6.	CAR Manufacturing Plant Tour	https://youtu.be/eP2Py-ek5to
7.	Welcome to BHUSHAN Steel Plant Angul	https://youtu.be/v55pmS-_Tmc
8.	Cement manufacturing Process How to make OPC & PPC Cement by Kiln Dry Pyro-processing system	https://youtu.be/SMnrszAhZuY
9.	This is how factory is made AMBUJA CEMENT Amazing Products Manufacturing Machines.	https://youtu.be/egVsisxFw6I
10.	Man Luxury Bus Production Tour - Assembly Plant	https://youtu.be/liJT5kRTb_0
11.	AMWAY India...A short & virtual industrial visit.	https://youtu.be/pLInEfJAbKA
12.	HONDA Cars India Tapukara Plant Tour 2017 Motown India	https://youtu.be/AKoYV6ZyFfw

11. Special collections (e.g. text book, reference book, standard, patents).....10

S.N	BOOK NAME	AUTHOR/PUBLICATION
1.	Numerical and verbal aptitude (SAIL & CIL)	Ankit goyal/Kreatryx
2.	Engineering maths (GATE & ESE)	Ankit goyal/Kreatryx
3.	UPSC ESE main exam Mechanical Engg. Paper-I	Made easy
4.	UPSC ESE main exam Mechanical Engg. Paper-II	Made easy
5.	Civil services main exam Mechanical engg. Paper-I	Made easy
6.	Civil services main exam Mechanical engg. Paper-II	Made easy
7.	GATE solved paper mechanical engg.	Arihant
8.	Krash GATE PSU preparation mechanical engg.	Kreatryx
9.	SSC junior engg. Mechanical engg. Paper-I	Made easy
10.	SSC junior engg. Mechanical engg. Paper-II	Made easy

Patent Details of mechanical Engg.

S.No	Patent Application Title	Applicant	Inventors	Filing Application Number	Date of Publication
1.	Solar Electric power distribution and management system for agriculture purposes	Jaipur Engineering College and Research Centre	Dr Fauzia Siddiqui, Radhey shyam meena, Dr Mohammad Israr	201921006207	2/16/2019
2.	Hybrid energy management system using solar, wind, fuel cell sources for remote region	Jaipur Engineering College and Research Centre	Dr M P Singh, Dr Fauzia Siddiqui, Radhey shyam meena, Dr Mohammad Israr	202011005557	2/7/2020
3.	Improved hand operated embroidery tool for easy operation	Jaipur Engineering College and Research Centre	Dr MP Singh, Asik Rahaman, Dr Mohammad Israr	202011023690	6/26/2020
4.	Dustbin system for recycling of plastic waste into fuel using	Jaipur Engineering College and Research Centre	Dr M P Singh, Dr Fauzia Siddiqui, Dr Ravindra	202011023690	6/26/2020

	pyrolysis		pathak, Dr Mohammad Israr		
5.	Twirl Gas Burner	Jaipur Engineering College and Research Centre	Rishi Pareek, Mohammed Saqib Khan, Rishabh Dutt Sharma, Neelraj Kaushik, Lakshay Zaveri	202011027817	8/28/2020

12 Annual departmental library budget and the amount spent for purchasing new books and journals. 4500/-Rs

Library Incharge
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